## Index of Claims



Application/Control No.

F. Pierre VanderVegt

09/857,097

Examiner

Applicant(s)/Patent under Reexamination

URBANIAK ET AL.

Art Unit

1644

Rejected Allowed

(Through numeral) Cancelled

Restricted

Non-Elected N Interference

**Appeal** Α 0 Objected

|                        |                                                    | _        | _                                                | -        |              |                                                  | _        |                    |                                                  | <u> </u>                                         |
|------------------------|----------------------------------------------------|----------|--------------------------------------------------|----------|--------------|--------------------------------------------------|----------|--------------------|--------------------------------------------------|--------------------------------------------------|
| CI                     | aim                                                |          | R                                                | 1        |              | Dat                                              |          |                    |                                                  |                                                  |
| Final                  |                                                    | 11/27/06 | 20/9/9                                           |          |              |                                                  |          |                    |                                                  |                                                  |
| 1                      | 1                                                  | 1        | -                                                | ┝        | ╁            | ╄                                                | ╀        | +                  | ╀                                                | ╁                                                |
| 2                      | 1 2                                                | 1        | ╘                                                | ┢        | +            | ╁                                                | ╁        | +                  | ╁                                                | $\vdash$                                         |
| <u> </u>               | 1                                                  | H        | <del>                                     </del> | ╁        | ╁            | ╁                                                | +        | +                  | ┿                                                | ╁                                                |
| <del> </del>           | K                                                  | J        | ╁                                                | ┢        | ╁            | +                                                | ╁╴       | ╁                  | ╁                                                | ╁                                                |
| 3                      | 5                                                  | 1        | =                                                | -        | ╁            | +-                                               | ┿        | +                  | +                                                | +                                                |
| 4                      | 6                                                  | V        | =                                                | $\vdash$ | 1            | +                                                | ╁        | +                  | +                                                | ╁                                                |
| 5                      | 7                                                  | V        | =                                                |          | ╁╌           | ╈                                                | t        | +                  | +                                                | ╁╌                                               |
| 3<br>4<br>5<br>6       | 1<br>2<br>8<br>5<br>6<br>7<br>8                    | 1        | =                                                | H        | $\vdash$     | t                                                | 1        | +                  |                                                  | <del>                                     </del> |
|                        | 18                                                 | $\vdash$ | Г                                                |          | T            | $\vdash$                                         | ✝        | T                  | t                                                | 1                                                |
|                        | 10                                                 |          | T                                                | 一        | 1            | ┢                                                | $\top$   | T                  | <del>                                     </del> | $\vdash$                                         |
|                        | 124                                                |          |                                                  |          | Т            | T                                                |          | <b> </b>           | T                                                | T                                                |
| 7                      | 12                                                 | √        | =                                                |          |              | Τ                                                | Τ        |                    | 1                                                | Г                                                |
|                        | 118                                                |          |                                                  |          |              |                                                  |          |                    | 1                                                | Г                                                |
|                        | 14                                                 |          |                                                  |          |              |                                                  |          |                    |                                                  |                                                  |
|                        | 13                                                 |          |                                                  |          |              |                                                  |          |                    |                                                  |                                                  |
| 8                      | 12<br>18<br>14<br>15<br>16<br>17<br>18<br>19<br>20 | 1        | Ξ                                                |          | L            | oxdot                                            | $\Box$   | 匚                  |                                                  |                                                  |
|                        | 1                                                  |          |                                                  |          | ┖            | _                                                | L        |                    |                                                  | <u> </u>                                         |
|                        | 18                                                 | L.       | <u> </u>                                         |          | $oxed{oxed}$ | <u> </u>                                         | _        |                    |                                                  | L                                                |
| 9                      | 19                                                 | 1        | =                                                | _        | 匚            |                                                  | _        | L                  |                                                  | L                                                |
| 10                     | 20                                                 | V        | =                                                |          | _            | _                                                | _        |                    | _                                                |                                                  |
| 11                     | 21                                                 | 1        | =                                                |          | _            | <u> </u>                                         | <u> </u> | _                  |                                                  | ļ                                                |
|                        | 222                                                | N        | _                                                |          | <u> </u>     | ┢                                                | <u> </u> |                    | <u> </u>                                         | <u> </u>                                         |
|                        | 22<br>23<br>24<br>25<br>26                         | _        | _                                                |          | -            | ├                                                | ┢        | ├                  | <del> </del>                                     | <u> </u>                                         |
|                        | 25                                                 |          | _                                                |          |              | ╁╾                                               | ┝        | ╁                  | -                                                | _                                                |
|                        | 26                                                 |          | -                                                | _        |              | ╁                                                | ┢        | $\vdash$           | ╁                                                | ┢                                                |
|                        | 27                                                 |          | _                                                |          | $\vdash$     | ✝                                                | $\vdash$ | $\vdash$           | <del>                                     </del> | -                                                |
|                        | 28                                                 |          |                                                  |          | _            | ┢                                                |          | $\vdash$           | <u> </u>                                         |                                                  |
|                        | 28<br>29                                           |          |                                                  |          | _            |                                                  |          |                    | $\vdash$                                         |                                                  |
|                        | 30                                                 |          |                                                  |          |              |                                                  |          |                    |                                                  |                                                  |
|                        | 31                                                 |          |                                                  |          |              |                                                  |          |                    |                                                  |                                                  |
| <u> </u>               | 32                                                 |          |                                                  |          | L            |                                                  | L.       | $oxedsymbol{oxed}$ |                                                  |                                                  |
| <u> </u>               | 33                                                 |          |                                                  |          | _            |                                                  | _        | <u>_</u>           | _                                                |                                                  |
| <u> </u>               | 34<br>35                                           |          |                                                  |          | <u> </u>     | <u> </u>                                         | $\vdash$ | ├—                 | <u> </u>                                         |                                                  |
| $\vdash$               | 35<br>36                                           | _        |                                                  |          | _            | ├                                                | <u> </u> | 1                  | <u> </u>                                         | <u> </u>                                         |
| $\vdash \vdash \vdash$ | 36<br>37                                           |          |                                                  | _        | -            | -                                                | ⊢        | $\vdash$           | -                                                | Н                                                |
|                        | 38                                                 |          | $\dashv$                                         |          | _            | ⊢                                                |          | $\vdash$           | $\vdash$                                         | $\vdash$                                         |
| $\vdash \vdash$        | 39                                                 | $\dashv$ | -                                                |          |              | <del>                                     </del> | ├-       | $\vdash$           | $\vdash$                                         | $\vdash$                                         |
|                        | 40                                                 | $\neg$   | $\dashv$                                         |          |              |                                                  | $\vdash$ | ┢╌                 | $\vdash$                                         | $\vdash$                                         |
|                        | 41                                                 | $\neg$   |                                                  |          | _            |                                                  |          | -                  |                                                  | Н                                                |
|                        | 42                                                 |          |                                                  |          |              |                                                  |          |                    |                                                  |                                                  |
|                        | 43                                                 |          |                                                  |          |              |                                                  |          |                    |                                                  |                                                  |
|                        | 44                                                 |          |                                                  |          |              |                                                  |          |                    |                                                  |                                                  |
|                        | 45                                                 | $\Box$   |                                                  |          |              |                                                  |          |                    |                                                  |                                                  |
|                        | 46                                                 | _        |                                                  |          |              |                                                  |          |                    |                                                  |                                                  |
| L                      | 47                                                 |          |                                                  |          |              | <u> </u>                                         |          | L.,                | Ш                                                | $oxed{oxed}$                                     |
| <b></b>                | 48                                                 | _        | _                                                |          |              |                                                  | <u> </u> | L.                 | Ш                                                | Ш                                                |
|                        | 49                                                 |          | _                                                |          | _            |                                                  | _        | <u> </u>           | _                                                | $\square$                                        |
|                        | 50                                                 |          |                                                  |          |              |                                                  |          |                    |                                                  | <b> </b>                                         |

| _        |                                                                                        |              |            | _        |              |                                                  |              |               |          |              |            |          |                                                                                              |               |               |           |               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |              |                                                  |
|----------|----------------------------------------------------------------------------------------|--------------|------------|----------|--------------|--------------------------------------------------|--------------|---------------|----------|--------------|------------|----------|----------------------------------------------------------------------------------------------|---------------|---------------|-----------|---------------|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------|--------------------------------------------------|
| Çla      | aim                                                                                    | L            | R          |          |              | Dat                                              | е            |               |          |              |            | Cla      | ıim                                                                                          |               |               |           |               | Dat                                              | е                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                  |              |                                                  |
|          |                                                                                        |              | <b>/</b> / | Г        | T            | Т                                                | 1            | T             | П        | Т            | 1 1        |          |                                                                                              | $\top$        | T             |           | <del>`</del>  | <del></del>                                      | Ť                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Т                                                | ſ            | $\overline{}$                                    |
| =        | Original                                                                               | 11/27/06     | -          | l        |              | 1                                                |              | 1             | 1        |              |            | _        | व                                                                                            |               |               |           |               |                                                  | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                  |              | 1                                                |
| <u> </u> | ·5                                                                                     | 27           | 8          |          |              |                                                  |              |               |          |              | 1          | Final    | ij                                                                                           | l             |               |           |               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1                                                |              |                                                  |
| -        | 5                                                                                      | Ξ.           | 9/6/07     |          |              |                                                  |              |               |          |              |            | iΞ       | Original                                                                                     |               | J             |           |               |                                                  | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1                                                | 1            | 1                                                |
|          | 1                                                                                      |              | L          | L        | L            | L                                                | L            |               |          |              |            |          | ٦                                                                                            |               |               |           |               |                                                  | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1                                                |              |                                                  |
|          | 1                                                                                      | 1            | =          | Г        |              |                                                  |              |               |          | T            | 1 1        |          | 51                                                                                           |               | ╅             |           |               |                                                  | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                                                | †            | ⇈                                                |
| •        | 2                                                                                      | 1            | =          | Г        |              | $\vdash$                                         | <b>†</b>     | <u> </u>      | $\vdash$ | $\vdash$     | 1 1        |          | 52                                                                                           |               | ┪             | _         |               | <del>                                     </del> | ╁                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | +                                                | ╆            | ╁                                                |
| _        | 1                                                                                      | <del>-</del> | -          | ┢        |              | ╆                                                | +            | $\vdash$      | $\vdash$ | ╁            | 1 -        |          | 53                                                                                           | $\vdash$      | $\dashv$      |           | -             | _                                                | <del> </del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ╀                                                | ╁            | ┼                                                |
| _        |                                                                                        | 1            |            | $\vdash$ |              | -                                                | ╁╴           | ⊢             | ⊢        | ╁            | ┨          |          | 53                                                                                           | +             | -             | _         |               | -                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -                                                | ┞-           | ╀                                                |
|          | 5<br>6<br>7                                                                            |              | -          | ⊢        | ⊢            | <del> </del> —                                   | ┿            | ⊢             | ⊢-       | ₩            | 1 1        |          | 54<br>55                                                                                     | $\vdash$      | 4             |           |               | _                                                | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | _                                                | $\vdash$     | 上                                                |
| _        | 2                                                                                      | - <          | =          |          | _            | <u> </u>                                         | ╄-           |               | ļ        | ــــ         | <b>↓</b> ↓ |          | 55                                                                                           |               | 4             |           |               | L.                                               | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                  | <u> </u>     | <u> </u>                                         |
| <u> </u> | 6                                                                                      | 1            | "          |          | <u> </u>     | L                                                | _            |               |          | L            | ļL         |          | 56                                                                                           |               |               |           |               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  | L            |                                                  |
| <u>_</u> | 7                                                                                      | 1            | =          |          |              |                                                  | <u> </u>     |               |          |              | J          |          | 57                                                                                           |               |               |           |               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Г                                                |              | П                                                |
| _        | 8                                                                                      | 1            | =          |          | i            | П                                                |              | П             |          |              |            |          | 58                                                                                           |               | T             |           |               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1                                                | Г            | П                                                |
|          | 15                                                                                     |              |            |          |              | $\vdash$                                         |              |               |          |              | 1 1        |          | 59                                                                                           | $\neg \vdash$ | _             |           |               | ┢                                                | t                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | $\vdash$                                         | $\vdash$     | $\vdash$                                         |
| _        | 10                                                                                     |              | _          | 一        |              | ┢                                                | $\vdash$     | H             |          | $\vdash$     | 1 Ի        | -        | 60                                                                                           | $\dashv$      | $\dashv$      | _         |               | -                                                | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ┢                                                | ├            | ⊢                                                |
| _        | -14                                                                                    | $\dashv$     | -          | $\vdash$ | -            | $\vdash$                                         | +            | $\vdash$      | $\vdash$ | $\vdash$     | 1 H        |          | 64                                                                                           | -+-           | $\dashv$      |           | _             | _                                                | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                  | $\vdash$     | <del> </del>                                     |
| _        | 10                                                                                     | -            |            |          | <del> </del> | $\vdash$                                         |              |               | -        | ├            | {          |          | 61                                                                                           | $\dashv$      | -+            |           |               | <u> </u>                                         | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ₩                                                |              | <del> </del>                                     |
|          | 12                                                                                     | 1            | =          |          | _            | -                                                | <del> </del> | _             | -        | ـــ          | Į ↓        |          | 62                                                                                           | L             | 1             |           |               | <u> </u>                                         | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <u> </u>                                         | $oxed{oxed}$ | _                                                |
|          | 20                                                                                     | $\Box$       |            | <u> </u> |              | <u> </u>                                         | <u> </u>     |               | <u> </u> | $\vdash$     | 1 L        |          | 63                                                                                           | $\perp$       | $\perp$       |           | _             |                                                  | $oxed{oxed}$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                  |              | L                                                |
|          | #8<br>#4                                                                               |              |            |          | _            |                                                  |              | L             | L        | L            | ] [        |          | 64                                                                                           | [             |               |           |               |                                                  | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | _                                                |              |                                                  |
| _        | 16                                                                                     |              |            |          |              |                                                  |              |               |          |              | ] [        |          | 65                                                                                           | $\Box$        | $\top$        |           |               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Г                                                | Г            | Г                                                |
|          | 16                                                                                     | 1            | =          |          |              | Г                                                |              | $\overline{}$ |          | П            | 1          |          | 66                                                                                           | $\dashv$      | $\dashv$      | $\neg$    |               |                                                  | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                  | $\vdash$     | <del>                                     </del> |
|          | À                                                                                      |              |            |          | _            |                                                  | t            | $\vdash$      |          | $\vdash$     | -          | $\neg +$ | 67                                                                                           | $\dashv$      | +             | -         |               | <u> </u>                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | $\vdash$                                         | $\vdash$     | $\vdash$                                         |
|          | 18                                                                                     | -            |            | -        |              | $\vdash$                                         | $\vdash$     | $\vdash$      | -        | $\vdash$     | H          |          |                                                                                              | -             | $\dashv$      | $\dashv$  |               | $\vdash$                                         | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | $\vdash$                                         | -            | $\vdash$                                         |
| _        | 19                                                                                     | <b>V</b>     | _          |          |              | -                                                | Ι            | $\vdash$      |          |              | -          |          | 68                                                                                           |               | +             | 4         |               | $\vdash$                                         | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ⊢                                                | $\vdash$     | ⊢                                                |
|          | 19                                                                                     |              | =          |          |              | _                                                | <b> </b> _   | <u> </u>      | <u> </u> | <u> </u>     | ! L        |          | 69                                                                                           |               | _             |           |               | <u> </u>                                         | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <u> </u>                                         | <u> </u>     | L                                                |
| )        | 20                                                                                     | V            | =          |          |              |                                                  |              |               |          | $oxed{oxed}$ | ΙL         |          | 70                                                                                           | $\perp$       | ᆚ             |           |               | _                                                | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ld}}}}}}}$ |                                                  | L            | L                                                |
|          | 21                                                                                     | 1            | =          |          | _            | L                                                | L            | L             | L        |              |            |          | 71<br>72                                                                                     | _1            | _1            | 1         |               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | _                                                |              | Г                                                |
| _ ]      | ,22                                                                                    | N            |            |          |              |                                                  |              |               |          |              |            |          | 72                                                                                           | $\neg$        | T             |           |               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  | Г            | Г                                                |
|          | 23-<br>24                                                                              |              |            |          |              | Π                                                |              |               | Г        | $\Box$       |            |          | 73                                                                                           | $\neg \vdash$ | T             | $\exists$ |               |                                                  | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <del>                                     </del> |              |                                                  |
| -        | 24                                                                                     |              |            |          |              | _                                                | t            | -             |          | $\vdash$     | -          |          | 74                                                                                           | $\dashv$      | $\dashv$      | _         | _             |                                                  | ┝                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                                |              | ├                                                |
| -        | 25                                                                                     | $\dashv$     | $\dashv$   |          |              | ┢                                                | $\vdash$     |               | -        | H            | H          |          | 75                                                                                           | -             | +             | $\dashv$  | _             |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -                                                | <del> </del> | $\vdash$                                         |
| -        | 26                                                                                     | $\dashv$     |            | _        | _            | <del>                                     </del> | <del> </del> | H             | -        | $\vdash$     |            |          | 10                                                                                           | -             | +             | -         |               | _                                                | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | _                                                | <del> </del> | <u> </u>                                         |
| _        | 20                                                                                     |              |            |          |              | <del> </del>                                     | <u> </u>     | $\vdash$      | <u> </u> |              | -          |          | 76                                                                                           | _             | $\downarrow$  | _         |               |                                                  | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | L                                                | <u> </u>     | L                                                |
| _        | 27                                                                                     |              | _          |          |              | <u> </u>                                         | <u> </u>     | _             | _        | Щ            | l L        | $\Box$   | 77<br>78                                                                                     |               | $\perp$       |           |               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |              | $oxed{oxed}$                                     |
| _        | 28                                                                                     |              |            |          |              |                                                  |              |               |          |              | L          |          | 78                                                                                           |               |               |           |               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | oxdot                                            | L            | L                                                |
|          | 29<br>30                                                                               |              | ]          | ]        |              |                                                  |              |               |          | LT           |            |          | 79                                                                                           | T             | Т             | ٦         |               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | _                                                |              | Г                                                |
|          | 30                                                                                     |              |            |          |              | _                                                |              |               |          | П            |            |          | 80                                                                                           | $\neg$        | $\top$        | $\dashv$  |               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  | Г            | Г                                                |
|          | 31                                                                                     | 寸            |            | $\neg$   |              |                                                  |              |               |          | П            |            |          |                                                                                              |               | $\rightarrow$ |           | $\overline{}$ |                                                  | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | _                                                |              | $\vdash$                                         |
|          | 32                                                                                     | $\dashv$     |            | $\neg$   |              | <u> </u>                                         |              | $\vdash$      |          | . !          | · •        |          | 81 I                                                                                         |               |               |           |               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |              | $\vdash$                                         |
| $\dashv$ | 33                                                                                     |              |            |          |              | 1                                                |              |               |          |              |            |          | 81                                                                                           | +             | +             |           | _             |                                                  | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | _                                                | $\vdash$     |                                                  |
| $\dashv$ |                                                                                        | - 1          |            |          |              |                                                  | -            | _             |          |              |            |          | 82                                                                                           | +             | +             |           |               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |              | <b></b>                                          |
| 4        | 34                                                                                     | 4            |            |          |              |                                                  |              |               |          |              |            |          | 82<br>83                                                                                     |               | +             |           |               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |              |                                                  |
|          | 34                                                                                     |              |            |          |              |                                                  |              |               |          |              |            |          | 82<br>83<br>84                                                                               |               |               |           |               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |              |                                                  |
| 4        | 34<br>35                                                                               |              |            |          | _            |                                                  |              |               |          |              |            |          | 82<br>83<br>84<br>85                                                                         |               |               |           |               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |              |                                                  |
|          | 34<br>35<br>36                                                                         |              |            |          |              |                                                  |              |               |          |              |            |          | 82<br>83<br>84<br>85<br>86                                                                   |               |               |           |               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |              |                                                  |
|          | 34<br>35<br>36<br>37                                                                   |              |            |          |              |                                                  |              |               |          |              |            |          | 82<br>83<br>84<br>85<br>86<br>87                                                             |               |               |           |               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |              |                                                  |
|          | 34<br>35<br>36<br>37                                                                   |              |            |          |              |                                                  |              |               |          |              |            |          | 82<br>83<br>84<br>85<br>86<br>87                                                             |               |               |           |               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |              |                                                  |
|          | 34<br>35<br>36<br>37<br>38                                                             |              |            |          |              |                                                  |              |               |          |              |            |          | 82<br>83<br>84<br>85<br>86<br>87<br>88                                                       |               |               |           |               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |              |                                                  |
|          | 34<br>35<br>36<br>37<br>38<br>39                                                       |              |            |          |              |                                                  |              |               |          |              |            |          | 82<br>83<br>84<br>85<br>86<br>87<br>88<br>89                                                 |               |               |           |               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |              |                                                  |
|          | 34<br>35<br>36<br>37<br>38<br>39<br>40                                                 |              |            |          |              |                                                  |              |               |          |              |            |          | 82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90                                           |               |               |           |               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |              |                                                  |
|          | 34<br>35<br>36<br>37<br>38<br>39<br>40<br>41                                           |              |            |          |              |                                                  |              |               |          |              |            |          | 82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91                                     |               |               |           |               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |              |                                                  |
|          | 34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42                                     |              |            |          |              |                                                  |              |               |          |              |            |          | 82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91                                     |               |               |           |               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |              |                                                  |
|          | 34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43                               |              |            |          |              |                                                  |              |               |          |              |            |          | 82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93                         |               |               |           |               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |              |                                                  |
|          | 34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44                         |              |            |          |              |                                                  |              |               |          |              |            |          | 82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94                   |               |               |           |               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |              |                                                  |
|          | 34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43                               |              |            |          |              |                                                  |              |               |          |              |            |          | 82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94                   |               |               |           |               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |              |                                                  |
|          | 34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45                   |              |            |          |              |                                                  |              |               |          |              |            |          | 82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94                   |               |               |           |               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |              |                                                  |
|          | 34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46             |              |            |          |              |                                                  |              |               |          |              |            |          | 82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94<br>95             |               |               |           |               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |              |                                                  |
|          | 34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47       |              |            |          |              |                                                  |              |               |          |              |            |          | 82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94<br>95<br>96       |               |               |           |               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |              |                                                  |
|          | 34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48 |              |            |          |              |                                                  |              |               |          |              |            |          | 82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94<br>95<br>96<br>97 |               |               |           |               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |              |                                                  |
|          | 34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47       |              |            |          |              |                                                  |              |               |          |              |            |          | 82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94<br>95<br>96       |               |               |           |               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |              |                                                  |

| Claim                                            |                                                      | Т                                       | Date                                             |                    |              |                 |              |                   |                |                 |  |  |  |
|--------------------------------------------------|------------------------------------------------------|-----------------------------------------|--------------------------------------------------|--------------------|--------------|-----------------|--------------|-------------------|----------------|-----------------|--|--|--|
|                                                  | i .                                                  | 1                                       | T                                                | Т                  | Т            | T               | Ť            | T                 | Т              | Т               |  |  |  |
| ā                                                | Original                                             |                                         |                                                  |                    |              |                 |              |                   |                |                 |  |  |  |
| Final                                            | ] ig                                                 |                                         |                                                  |                    |              |                 |              |                   |                |                 |  |  |  |
| L                                                | ı                                                    |                                         |                                                  |                    | 1            |                 |              |                   |                |                 |  |  |  |
|                                                  | 101                                                  | Γ                                       | I                                                | Ι                  | Γ            | Γ               | Ι            | Ι                 | Γ              | Γ               |  |  |  |
|                                                  | 102                                                  | Ĺ                                       | ₽                                                | Ĺ                  | L            | oxdot           | oxdot        | $\Box$            | $\Box$         | $\Box$          |  |  |  |
| $\Box$                                           | 103                                                  | L                                       | Ļ                                                | Ĺ                  | $\perp$      | $\perp$         | $\perp$      | $oldsymbol{\Box}$ | $\perp$        | 匚               |  |  |  |
|                                                  | 104                                                  | $\perp$                                 | $\perp$                                          | _                  | $\perp$      | $\perp$         | $\perp$      | $\perp$           | $\perp$        | $\perp$         |  |  |  |
|                                                  | 105                                                  |                                         | 1                                                | _                  | $\vdash$     | 4               | 1            | $\perp$           | 4              | $\vdash$        |  |  |  |
| <del> </del>                                     | 101<br>102<br>103<br>104<br>105<br>106<br>107<br>108 | ╄                                       | $\vdash$                                         | +                  | <del> </del> | +               | ₩            | +                 | +              | ╀┈              |  |  |  |
| <u> </u>                                         | 107                                                  | +                                       | +                                                | +                  | +            | +               | +            | +                 | +              | -               |  |  |  |
| <del>                                     </del> | 100                                                  | $\vdash$                                | +                                                | +-                 | $\vdash$     | +               | +            | +                 | +              | $\vdash$        |  |  |  |
|                                                  | 109<br>110                                           | -                                       | +                                                | +                  | $\vdash$     | +               | +            | +                 | +              | -               |  |  |  |
|                                                  | 111                                                  | $\vdash$                                | $\vdash$                                         | +                  | +            | +               | +            | +                 | $\vdash$       | $\vdash$        |  |  |  |
| <del>                                     </del> | 117                                                  | $\vdash$                                | +                                                | +-                 | ╁            | +               | +            | $\vdash$          | +              | <del> </del>    |  |  |  |
|                                                  | 113                                                  | $\vdash$                                | $\vdash$                                         | $\vdash$           | +            | +               | +            | +                 | +              | ╁┤              |  |  |  |
|                                                  | 114                                                  | $\vdash$                                | $\vdash$                                         | t                  | t            | +               | +            | +-                | $\vdash$       |                 |  |  |  |
| $\vdash$                                         | 115                                                  | $\vdash$                                | $\vdash$                                         | T                  | 1            | +               | $\vdash$     | +                 | $\vdash$       | $\vdash$        |  |  |  |
|                                                  | 112<br>113<br>114<br>115<br>116<br>117               | T                                       | T                                                | T                  |              | T               | 1            | $\vdash$          | T              | $\vdash$        |  |  |  |
|                                                  | 117                                                  | 1                                       |                                                  | Τ                  | 1            | T               | Т            | 1                 | $\top$         |                 |  |  |  |
|                                                  | 118                                                  |                                         |                                                  | $\vdash$           | 1            | T               | $\top$       |                   | 1              | H               |  |  |  |
|                                                  | 118<br>119<br>120                                    | Τ                                       |                                                  |                    | Π            | T               | Τ            |                   | 1              | П               |  |  |  |
|                                                  | 120                                                  | Γ                                       | Γ                                                | Π                  | Γ            |                 |              | Γ                 |                |                 |  |  |  |
|                                                  | 121                                                  |                                         |                                                  | Γ                  | Γ            |                 | Ι            |                   | Π              |                 |  |  |  |
|                                                  | 122                                                  |                                         | Γ                                                |                    |              | Γ               | Γ            |                   | Γ              | П               |  |  |  |
|                                                  | 121<br>122<br>123                                    |                                         | $\Box$                                           | $\Box$             | $\Box$       |                 |              | $\Box$            | Γ              | П               |  |  |  |
|                                                  | 124                                                  | $\Box$                                  | $\Box$                                           | $\Box$             | L            | $\Box$          | $\Box$       | $\Box$            | $\Box$         |                 |  |  |  |
|                                                  | 125                                                  | Ĺ                                       | Ĺ                                                | Ĺ                  | 匚            | 匸               | 匚            | Ĺ                 | Ĺ              | $\Box$          |  |  |  |
| <b>  </b>                                        | 126                                                  | L                                       | <u> </u>                                         | Ļ                  | lacksquare   | $\perp$         | <u> </u>     | Ļ                 | Ļ              | Ш               |  |  |  |
| <b>  </b>                                        | 127                                                  | <u> </u>                                | <u> </u>                                         |                    | <u> </u>     | <u> </u>        | <u> </u>     | <del> </del>      | <del> </del>   | Ш               |  |  |  |
| <b>  </b>                                        | 128                                                  | ₩-                                      | -                                                | $\vdash$           | $\vdash$     | $\vdash$        | $\vdash$     | <del> </del>      | <del> </del>   | Н               |  |  |  |
| <u> </u>                                         | 129                                                  | $\vdash$                                | -                                                | <del> </del>       | $\vdash$     | $\vdash$        | $\vdash$     | +                 | ₩              |                 |  |  |  |
|                                                  | 124<br>125<br>126<br>127<br>128<br>129<br>130        | -                                       | $\vdash$                                         | $\vdash$           | -            | $\vdash$        | -            | $\vdash$          |                | Н               |  |  |  |
|                                                  | 132                                                  | -                                       | +                                                | $\vdash$           | $\vdash$     | $\vdash$        | +            | $\vdash$          | $\vdash$       | Н               |  |  |  |
|                                                  | 132<br>133                                           | <del> </del>                            | $\vdash$                                         |                    | -            | $\vdash$        | <del> </del> | -                 | $\vdash$       | $\vdash \vdash$ |  |  |  |
| -                                                | 134                                                  | <u> </u>                                | $\vdash$                                         | $\vdash$           | 1            | $\vdash$        |              | $\vdash$          | -              | Н               |  |  |  |
|                                                  | 135                                                  |                                         |                                                  |                    | $\vdash$     | +-              | $\vdash$     | $\vdash$          | <del> </del>   | H               |  |  |  |
| -                                                | 136                                                  | Г                                       | <del>                                     </del> | $\vdash$           |              |                 | Г            | $\vdash$          |                | Н               |  |  |  |
|                                                  | 137                                                  |                                         |                                                  |                    |              |                 |              |                   | Η              | М               |  |  |  |
|                                                  | 137<br>138                                           |                                         |                                                  |                    |              |                 |              |                   | Γ              |                 |  |  |  |
|                                                  | 139                                                  |                                         |                                                  |                    |              |                 |              |                   |                |                 |  |  |  |
|                                                  | 140                                                  |                                         | $\Box$                                           |                    |              |                 |              |                   |                |                 |  |  |  |
|                                                  | 141                                                  | L                                       | 匚                                                | Ĺ                  | Ĺ            | 匚               |              | 匚                 | $\Box$         |                 |  |  |  |
| $\bot$                                           | 142                                                  | ـــــــــــــــــــــــــــــــــــــــ | Ĺ                                                | $oxedsymbol{oxed}$ | Ĺ            | Ĺ               | Ĺ            | 匚                 | Ĺ              | Ш               |  |  |  |
|                                                  | 143                                                  | $oxedsymbol{oxed}$                      | <u> </u>                                         | <u> </u>           | <u> </u>     | $ldsymbol{f L}$ | _            | L                 | L              | Ш               |  |  |  |
|                                                  | 144                                                  |                                         | L                                                | L                  | <u> </u>     | <u> </u>        | <u> </u>     | <u> </u>          | igsqcup        | Ш               |  |  |  |
|                                                  | 145                                                  |                                         |                                                  | L                  | <u> </u>     | $\vdash$        | <u> </u>     | ldash             | $\bigsqcup$    | Ш               |  |  |  |
| $-\bot$                                          | 146                                                  | <u> </u>                                | <u> </u>                                         | ldash              | <u> </u>     | <u> </u>        | <u> </u>     | <u> </u>          | Щ              | Ш               |  |  |  |
|                                                  | 147                                                  |                                         | <u> </u>                                         | <u> </u>           |              | <b> </b> -      | <u> </u>     | $\vdash$          | Ļ.             | $\sqcup$        |  |  |  |
| $\dashv$                                         | 148<br>149                                           | <u> </u>                                | <b> </b>                                         | <u> </u>           |              | H               | H            | <u> </u>          | $\vdash$       | $\sqcup$        |  |  |  |
| $\dashv$                                         | 150                                                  |                                         | <b></b>                                          | <u> </u>           | _            | $\vdash$        | Η.           | <u> </u>          | $\vdash\vdash$ | $\sqcup$        |  |  |  |
|                                                  | 120                                                  |                                         |                                                  |                    |              |                 |              | L                 | ۱ ا            | 1               |  |  |  |